

10/550153

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Examiner:

**JC17 Rec'd PCT/PTO 20 SEP 2005**  
Not Yet AssignedToshikazu OKUBO *et al.*

Appl. No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: September 19, 2005

Title: METHOD FOR ANALYZING COPPER ELECTROPLATING  
SOLUTION, APPARATUS FOR THE ANALYSIS, AND METHOD  
FOR FABRICATING SEMICONDUCTOR PRODUCT

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**INFORMATION DISCLOSURE STATEMENT PURSUANT TO  
37 C.F.R. §§1.97-1.98**

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56 and pursuant to 37 CFR §§1.97-1.98, Applicants hereby notify the U.S. Patent and Trademark Office of the references listed on the attached Form PTO/SB/08A. Pursuant to the PTO's waiver of the requirements under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent, we are not submitting copies of the U.S. patents cited. However, we are enclosing copies of the foreign patents cited. One copy of each cited reference is submitted herewith.

The present Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application. Accordingly, no certification or fee is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve the right to dispute any of the listed documents as prior art during examination. Furthermore, Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present

application. The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

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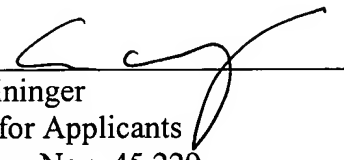
The Examiner is requested to initial the enclosed Form PTO/SB/08A and return a copy thereof to the undersigned.

If for any reason an insufficient fee has been paid, please charge the insufficiency to Deposit Account No. 05-0150.

Date: September 19, 2005

Respectfully submitted,

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PaloAlto/89007.1

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

## Complete if Known

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|------------------------|----------------------------|
| Application Number     | Not Yet Assigned 10/550153 |
| Filing Date            | September 19, 2005         |
| First Named Inventor   | Toshikazu OKUBO            |
| Art Unit               | Not Yet Assigned           |
| Examiner Name          | Not Yet Assigned           |
| Attorney Docket Number | 38915.00045                |

## U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Document Number<br>Number - Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---------------------|-----------------------|---|--------------------------------|---|---|
|                     | A                     | US-5,223,118  | 06-29-1993                     | Sonnenberg et al.                               |   |
|                     |                       | US-   |                                |   |   |
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## FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup>  |
|---------------------|-----------------------|--|--------------------------------|---|---|-----------------|
|                     | B                     | JP 05080028 A  | 03-30-1993                     | Shipley Co Inc                                  |   | X<br>(Abstract) |
|                     | C                     | JP 2001152398 A  | 06-05-2001                     | Fujitsu Ltd                                     |   | X<br>(Abstract) |
|                     | D                     | WO 01/29548 A1   | 04-26-2001                     | Advanced Technology Materials, Inc.             |   |                 |
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Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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